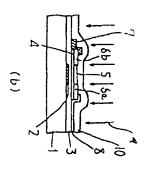
EST AVAILABLE

is carried out at 150-230°C film at least where it contacts the amorphous silicon film. Further, the heating is an amorphous silicon film and a gate insulating film 3 is a silicon nitride same time, ruthier, the semiconductor active layer 4 of a thin film transistor



pixel electrode, l: glass substrate,

9: short-circuit line, 2: gate electrode,

.; .;

drain bus lin protection file

MATRIX TYPE DISPLAY DEVICE

(21)(11)5-313188 (A) (43) 26.11.1993 (19) JP

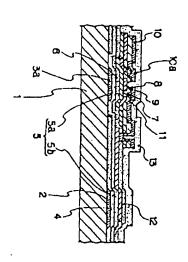
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thin film transistor(TFT) LCD in a small number of processes by improving holding capacitance. the constitution a gate insulating film and an insulating film for electric charge To improve the insulation characteristics and display quality of a

CONSTITUTION: At least the gate insulating films 5a and 6 or insulating films film 5 and other insulating films of plural layers are formed of gate insulating charge storage capacitance films and/or dedicated insulating films 4 and 6 matching insulating films electric each insulating film is formed of the same material as a common use insulating formed of insulating films composed of $\geqq2$ layers; and at least one layer of 4 and 5b for electric charge holding capacitance of a thin film transistor are



l: transparent insulating substrate. 11: drain electrode, 12: pixel electrode, 3a: gate electrode 2: lower electrode for source electrode